

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2005/000935

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7): H04L 9/32, H04L 12/22  According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>  Minimum documentation searched (classification system followed by classification symbols) H04L (subclasses, keywords)  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic database(s) consulted during the international search (name of database(s) and, where practicable, search terms used) Delphion, Canadian patent database, WEST Keywords: identity management, schema, authentication, security, assertion, biometric		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US2004/0010697; "Biometric Authentication System & Method"; White, C. (15-01-2004)	1-16 and 27-34
A	[0007] to [0042], [0068], [0070], [0075], [Figs 1 & 2], [claims 13-16], [claims 40-52]	17-26
X	US2004/0103324; "Automated Security Token Administrative Services"; Band, J. (27-05-2004)	1-16 and 27-34
A	[0025] to [0032], [Fig 1], [claims 5-23]	17-26
X	US2003/0229783; "Distributed Hierarchical Identity Management"; Hardt, D., (11-12-2003)	1-16 and 27-34
A	[0044], [0051], [0053] to [0056], [0059], [0067] to [0070], [0079] to [0083], [0086], [0087], [Fig. 5]	17-26
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search 15 September 2005 (15-09-2005)		Date of mailing of the international search report 4 October 2005 (04-10-2005)
Name and mailing address of the ISA/CA Canadian Intellectual Property Office Place du Portage I, C114 - 1st Floor, Box PCT 50 Victoria Street Gatineau, Quebec K1A 0C9 Facsimile No.: 001(819)953-2476		Authorized officer  Lawrence J. Engel (819) 997-2936

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Information on patent family members

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PCT/CA2005/000935

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US2003229783	11-12-2003	AU2003240323 A1	22-12-2003
		CA2431311 A1	10-09-2003
		CA2458257 A1	10-09-2003
		EP1520217 A2	06-04-2005
		WO03104947 A2	18-12-2003
US2004103324	27-05-2004	EP1426850 A2	09-06-2004
US2004010697	15-01-2004	AU2003212617 A1	22-09-2003
		CA2421691 A1	13-09-2003
		EP1351113 A2	08-10-2003
		IE20020190 A2	17-09-2003
		WO03077082 A2	18-09-2003

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### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of the first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☒ Claim Nos. : 17 - 26

because they relate to subject matter not required to be searched by this Authority, namely :

No meaningful search could be performed on a memory for storing a data structure comprising a data element, a data block and an assertion (Rule 67). Any schema or structure for storing various digital data elements in data blocks in memory (understood as a database record) for searching and retrieval of said data elements is common practice in digital storage and data retrieval systems.

2. ☐ Claim Nos. :

because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :

3. ☐ Claim Nos. :

because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

The International Search Authority found multiple inventions claimed in this international application, as follows:

Group I, claims 1-16 and 27-34, drawn to a method and apparatus for exchanging and managing user identity information.

Group II, claims 17-26, drawn to a memory for storing a data structure.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☒ As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claim Nos. :
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claim Nos. :

**Remark on Protest** ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ No protest accompanied the payment of additional search fees.